

Attorney Docket No. 4318.224-US

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bisgaard-Frantzen et al.

Confirmation No: 7527

Serial No.: 09/902,188

Group Art Unit: 1751

Filed: July 10, 2001

Examiner: To be assigned

For: Amylase Variants

AMENDMENT FEE TRANSMITTAL

Commissioner for Patents
Washington, DC 20231

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JAN 10 2002

TC 1700

Sir:

Transmitted herewith is an Amendment for the above-identified application.

No additional claims fee is required.

Respectfully submitted,

Date: October 25, 2001



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8P1751



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Washington, DC 20231

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Sir:

I hereby certify that the attached correspondence comprising:

1. Preliminary Amendment
2. Amendment Fee Transmittal (in duplicate)

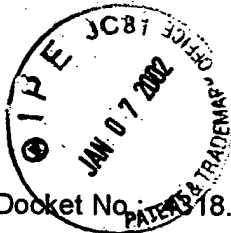
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#6A
NEAL

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, DC 20231

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Sir:

Before examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 1-29 without prejudice or disclaimer.

Please add new claims 30-49, as follows:

- a1
30. A variant of a parent alpha-amylase, which displays at least 80% homology with SEQ ID No. 3 and which has one or more of the following amino acid substitutions K107R, K177R, K237R, K240R, D162N, D186N, D190N, D197N, D203N, D205N, D207N, E188Q, and E192Q.
 31. A DNA construct comprising a DNA sequence encoding an alpha-amylase variant according to claim 30.
 32. A recombinant expression vector which carries a DNA construct according to claim 31.
 33. A cell which is transformed with a DNA construct according to claim 31.
 34. A cell according to claim 33, which is a microorganism.
 35. A cell according to claim 33, which is a bacterium or a fungus.